

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 04/14/2021 09:44 AM
Cytometer Baseline: 04/05/2021 10:33 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123415	-2	1.90	123375	1.87
Blue	F	SSC	125000	123491	-2	3.74	123852	3.73
Blue	E	FITC	14400	13825	-4	2.69	319	15.81
Blue	D	PE	24713	24262	-2	2.14	556	10.97
Blue	B	PerCP-Cy5-5	31796	31015	-3	3.56	1032	14.87
Blue	A	PE-Cy7	21240	21010	-2	5.68	567	29.65
Red	C	APC	41319	41390	0	3.24	1726	11.05
Red	A	APC-Cy7	21019	20660	-2	3.64	793	11.25
Violet	B	V450	7305	6989	-5	3.82	430	12.41
Violet	A	V500	28652	27264	-5	3.32	685	9.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23260	1.79	568	-1	N/A	N/A	Pass
Blue	F	SSC	57473	2.26	521	9	N/A	N/A	Pass
Blue	E	FITC	58	54.24	494	3	0.0388	42	Pass
Blue	D	PE	116	37.97	492	5	0.4105	331	Pass
Blue	B	PerCP-Cy5-5	190	36.51	588	4	0.0190	60	Pass
Blue	A	PE-Cy7	113	66.72	636	6	0.0207	0	Pass
Red	C	APC	403	23.01	575	2	0.0310	205	Pass
Red	A	APC-Cy7	176	26.22	545	0	0.0068	1026	Pass
Violet	B	V450	60	62.90	462	6	0.0667	2631	Pass
Violet	A	V500	98	36.03	475	5	0.0308	1479	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.46	-31.21	0.92
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	19.43	15.99 - 23.99	N/A	N/A	29.71	29.96	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10090

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments